

PROJECT STATUS
The last one before the Launch ?

- January : Start of the satellite Integration & Test
- February to August : Successful qualification of the satellite (Shaking, EMI/EMC, Functional tests, Thermal Vacuum) in spite of the launch of Calipso (same integration teams and Ground Support Equipment)
- Successful Satellite Qualification Review in September
- System & Ground Segment intense activity from this Summertime
 - Delivery of the Control Centre
 - Start of Compatibility & System Tests
 - Delay of the Mission Centre, but the version for flight is finally delivered on October.
 - Start of operational training (rehearsals) on October
- Satellite shipping to Baikonour on mid-November

departure and arrival to Baikonur



The space bus and the fairing



Opening the container



Science Committee n° 21 PARIS December the 1st, 2006



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SOME NEWS FROM BAIKONUR

- _ The Satellite is still alive and successfully checked
- _ The fueling (Hydrazine) is under progress
- _ The mating with the upper stage of the launcher (Fregat) is planned on beginning of December)
- _ 18 days- combined operations up to the launch

• DECEMBER the 21st, 2006 at 14:47 GMT

Science Committee n° 21 PARIS December the 1st, 2006

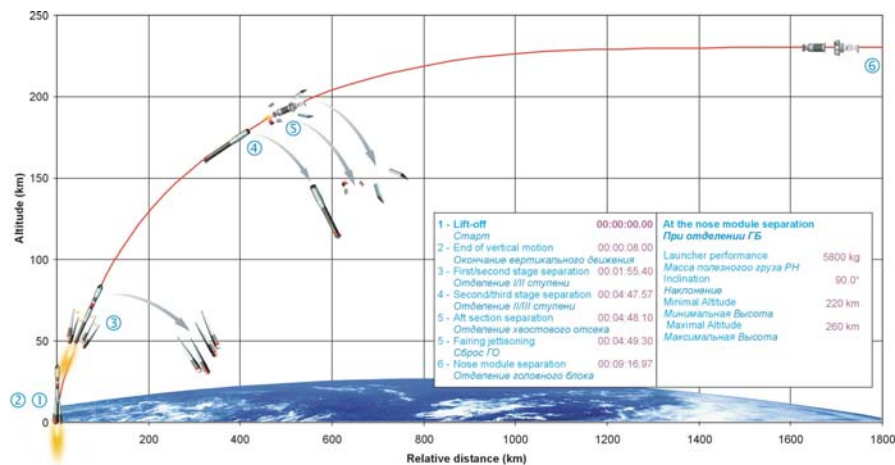




LAUNCHER STATUS

- The 2.1b version is qualified (on ground) but the risk of a maiden flight is a fact.
- Both the tri-stage and the upper stage (Fregat) arrived by the same time than the satellite
- Launcher final integration at Baikonur is nominal
- The additional insulation of the fairing has been done

LAUNCH SEQUENCE



LAUNCH & IN-FLIGHT OPERATIONS

- Launch Success knowledge
 - Corot Satellite separation at H0 + 52 mn (not seen by Ground)
 - First Ground contact with the satellite at H0 + 1h 17mn
 - Separation officially confirmed by the russian tracking ground stations at H0 + 1h 47mn
- Launch operations by Christmas are difficult to manage with people who are tired by the 2006 pressure
- No slow-down, the instrument shall be switched ON (in nominal) on 28 December, after 1 week- checking & positioning activities
- First observation run (IR-1) planned at end-January after the fine pointing acquisition and the calibration of the instrument.

IN SHORT

- _ Huge, huge working done by all the community
- _ We are (almost) on time as promised
- _ LAUNCH on 21 December
- _ The launcher is ready but it remains a maiden flight
- _ Everything is nominal

Time table

- _ >Heure de tir le 21 décembre : 14:43:17 TU +1 heure à Toulouse, + 5 heures à Baikonour.
- _ - séparation coiffe + 00:04:49 (info quasi temps réel)
- _ - séparation Nose Module + 00:09:19 (info quasi temps réel)
- _ - fin du premier allumage Fregat + 00:11:30 (prévision)
- _ - confirmation injection sur orbite de transfert + 00:16:00 (sur transmission TM)
- _ - fin du deuxième allumage Fregat + 00:49:54 (prévision)
- _ - séparation + 00:50:02.4 (prévision)
- _ - 1ère visi par le CNES sur station HBK + 01:18:00
- _ - confirmation séparation + 01:50:00
- _ - fourniture de l'orbite de séparation (state vector) + 02:00:00
- _ - fin du troisième allumage Fregat + 03:27:48 (prévision)
- _ - confirmation orbite de séparation + 03:40:00
- _ - fin de mission lanceur (désorbitation Fregat) + 04:00:00

15h 30

17h 34

Broadcasting by CNES

- _ CNES is providing freely to the whole world, the possibility to access to a broadcast of the launch through its CNES TV Channel in french
- _ It will contain images from Baikonour provided by STARSEM and debates with scientists and ingeniors
- _ How to access
 - _ un terminal de réception numérique par satellite est suffisant, and an antenna
 - _ It uses the satellite HOT BIRD 6 - 13 ° Est, (position du bouquet satellite TPS)>
 - > - Frequency : 12558 Ghz
 - > - Polarisation : Verticale
 - > - FEC : 3/4
 - > - flow : 27500
- _ Also through Internet (french /CNES, and english ESA)